

Excitation and Emission Bands of NAD(P)H and Riboflavin

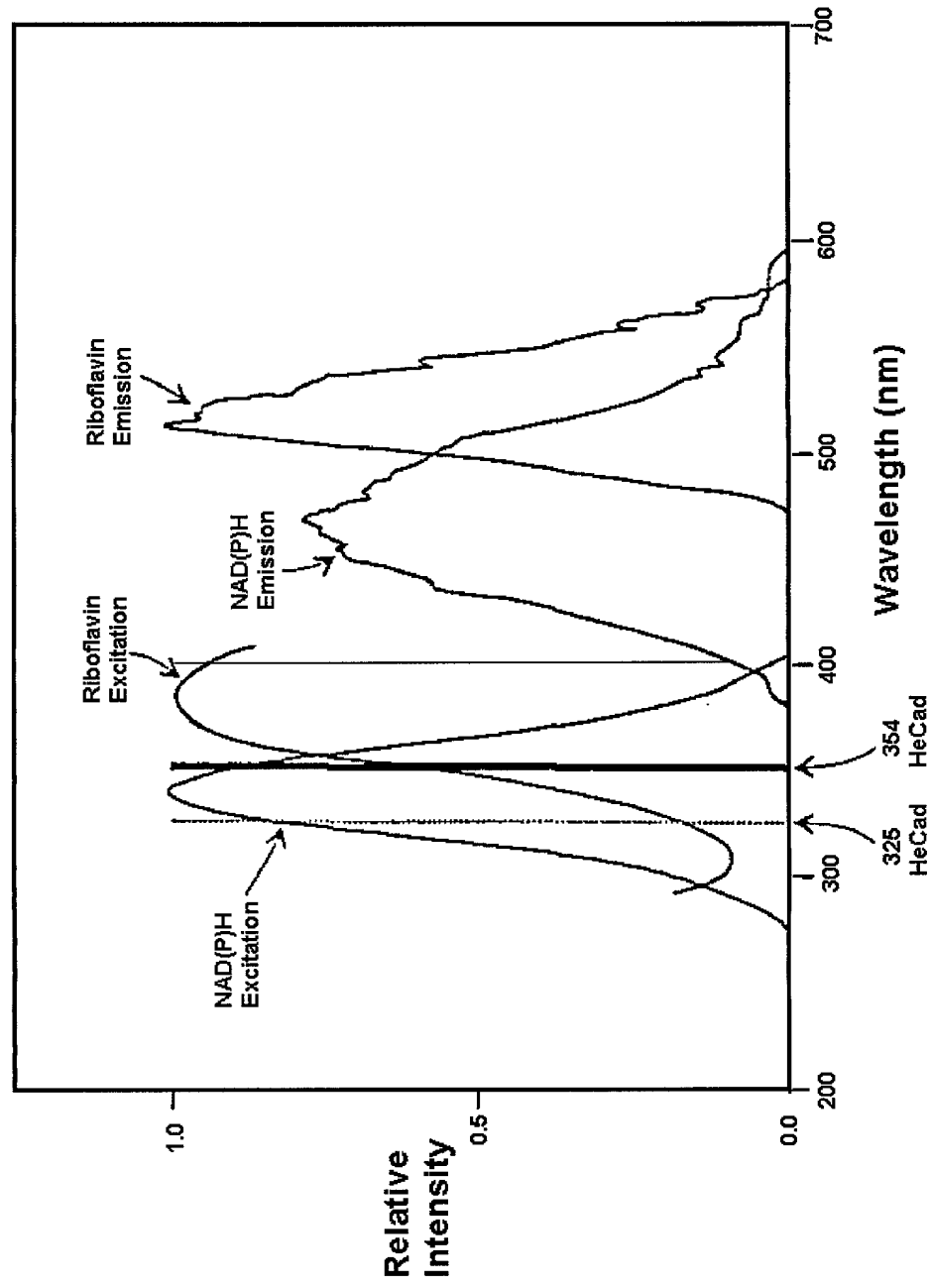


Fig. 1

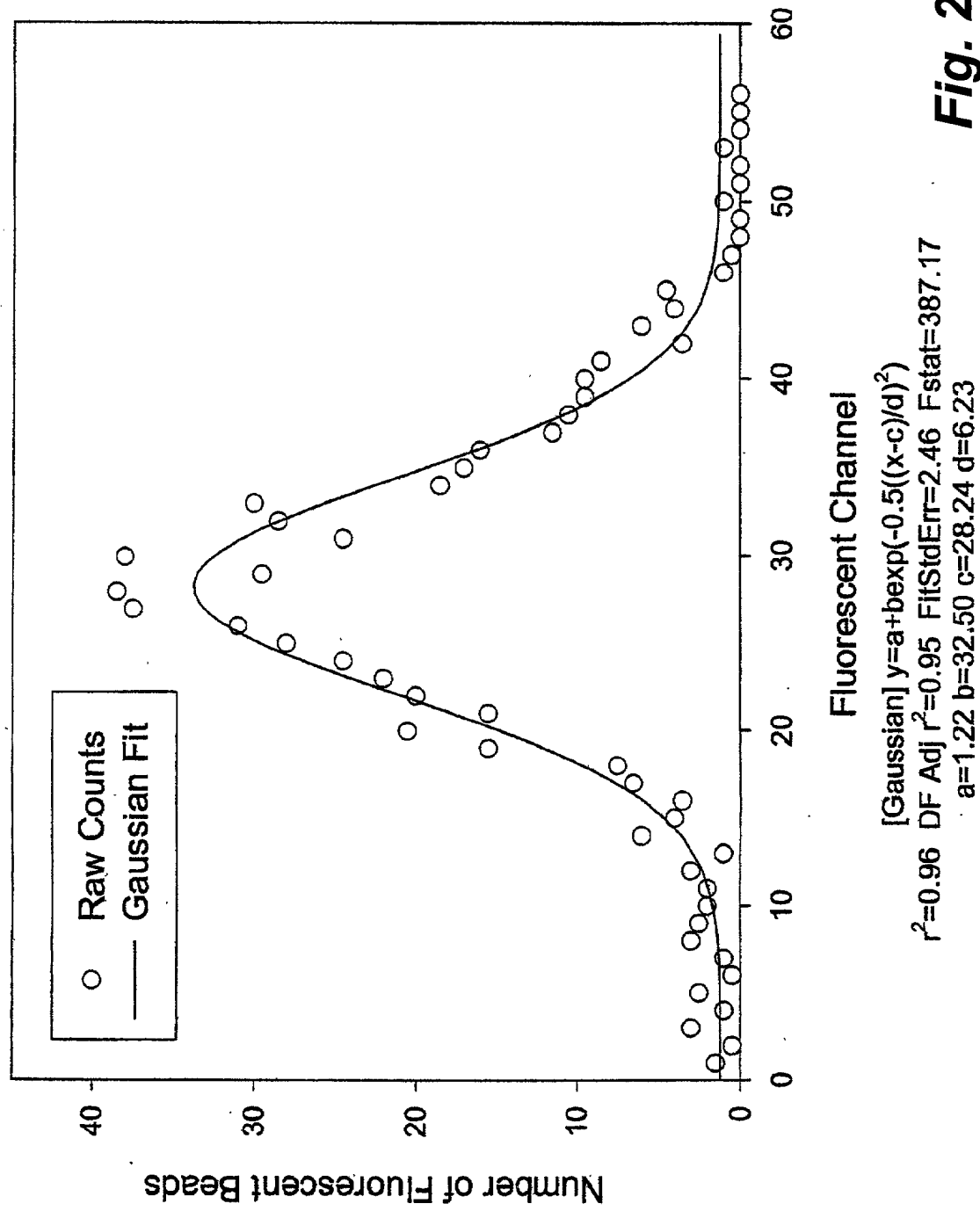


Fig. 2

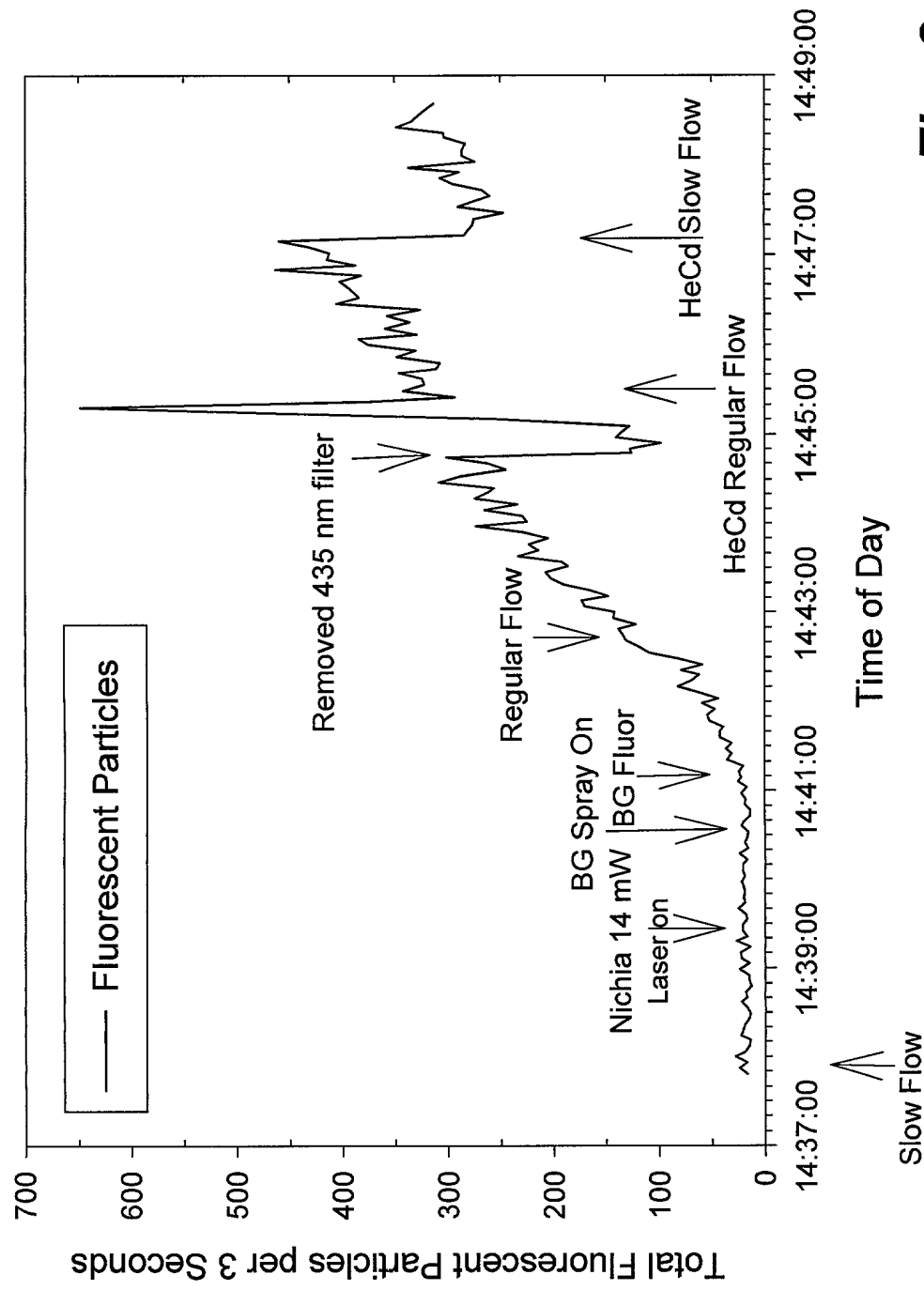


Fig. 3

FLAPS1 Measurement of BG Aerosol with Nichia Light Source (12 mw) 0.05% BG Slurry Using a Spinning Disk Generator Comparison with Reference Data

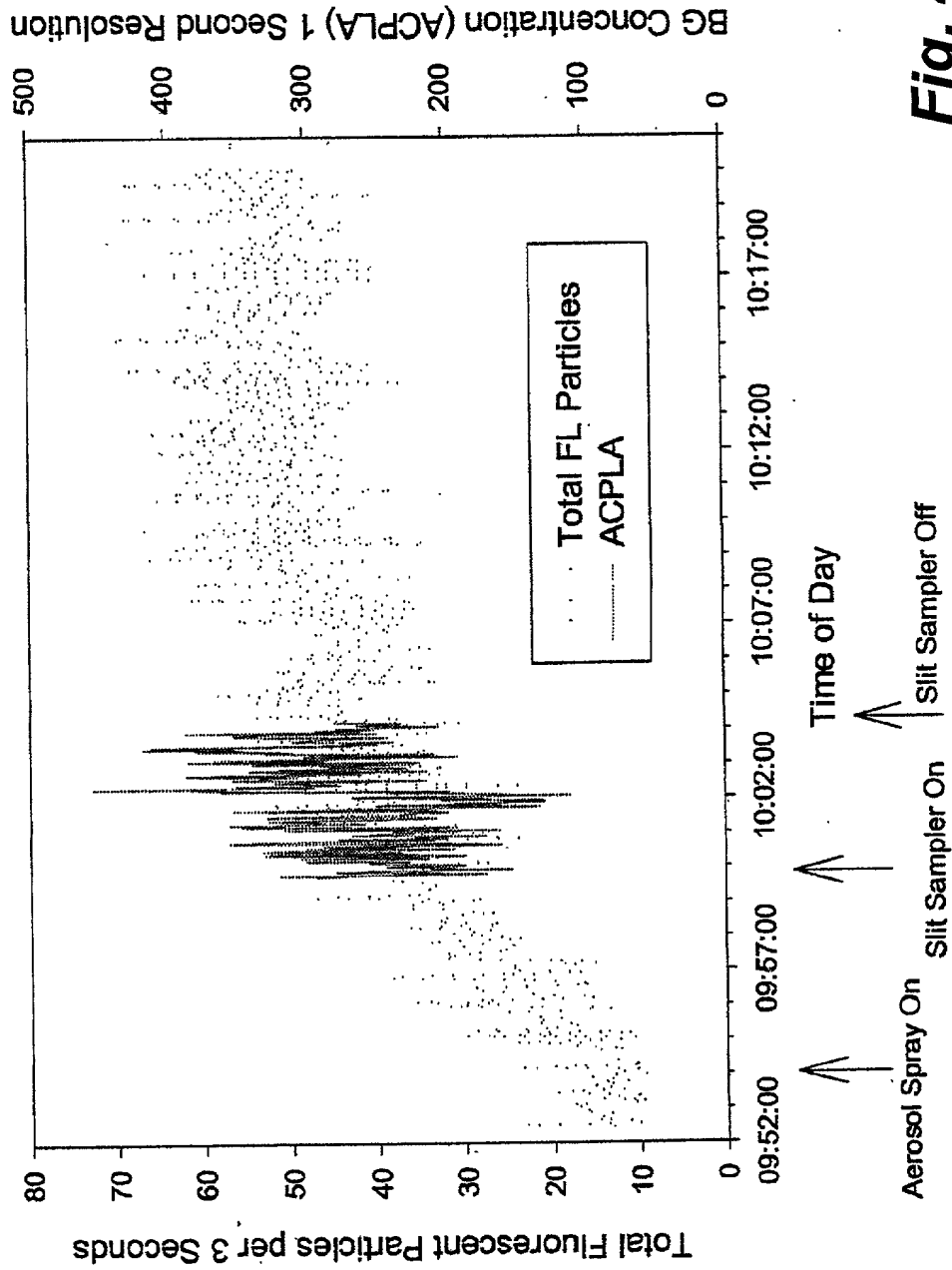


Fig. 4

FLAPS1 Measurement of BG Aerosol with Nichia Light Source (12 mw) 0.05% BG Slurry Using a Spinning Disk Generator High Resolution Comparison with Reference Data

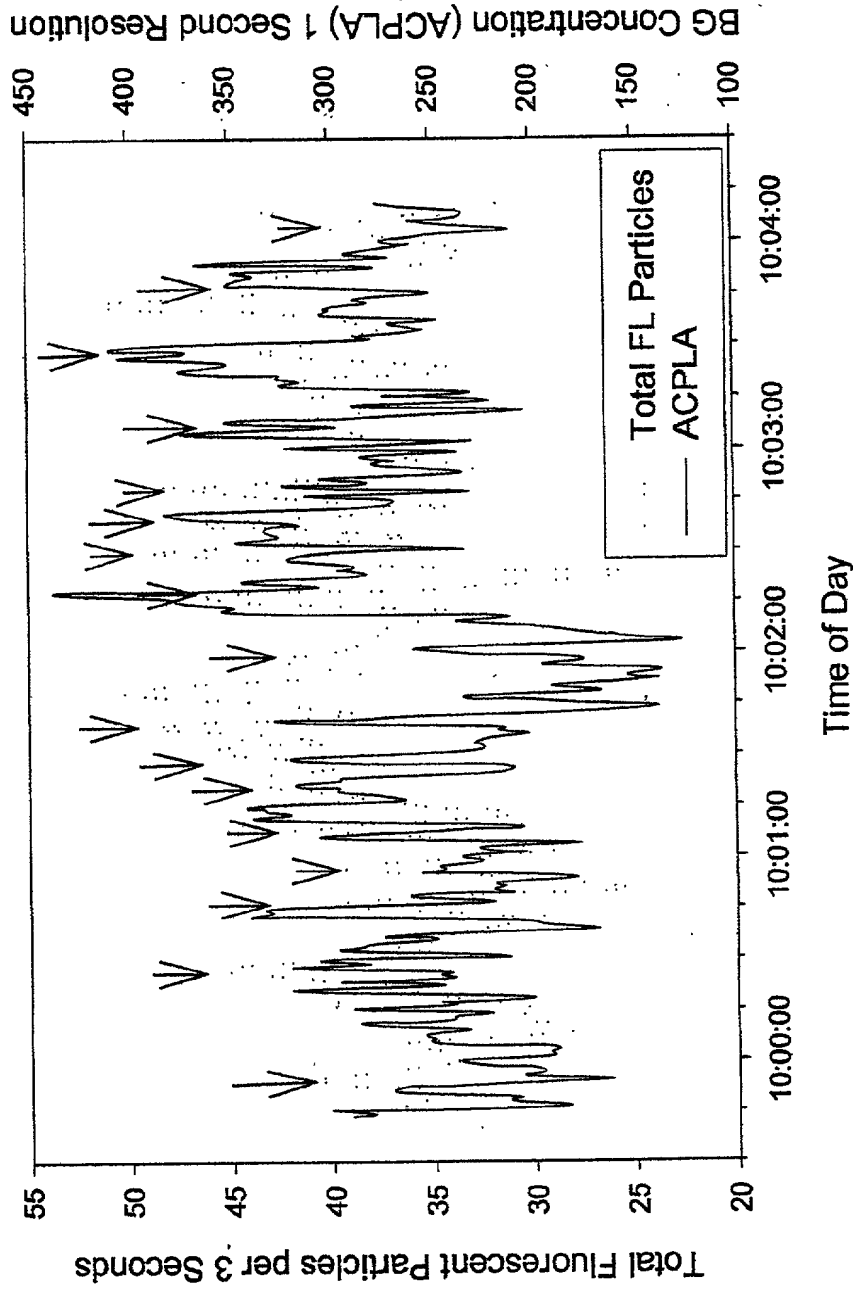


Fig. 5

Comparison of Three Generations of Detector Technologies BG Aerosol Generated by Spinning Disk with 0.5% Slurry

Spearman Rank Order Correlation Test

Correlation Coefficient = 0.86

Normality Test (Kolmogorov-Smirnov)

FLAPS1:K-S Dist. = 0.154 $P < 0.001$ Failed

FLAPS2:K-S Dist. = 0.145 $P < 0.001$ Failed

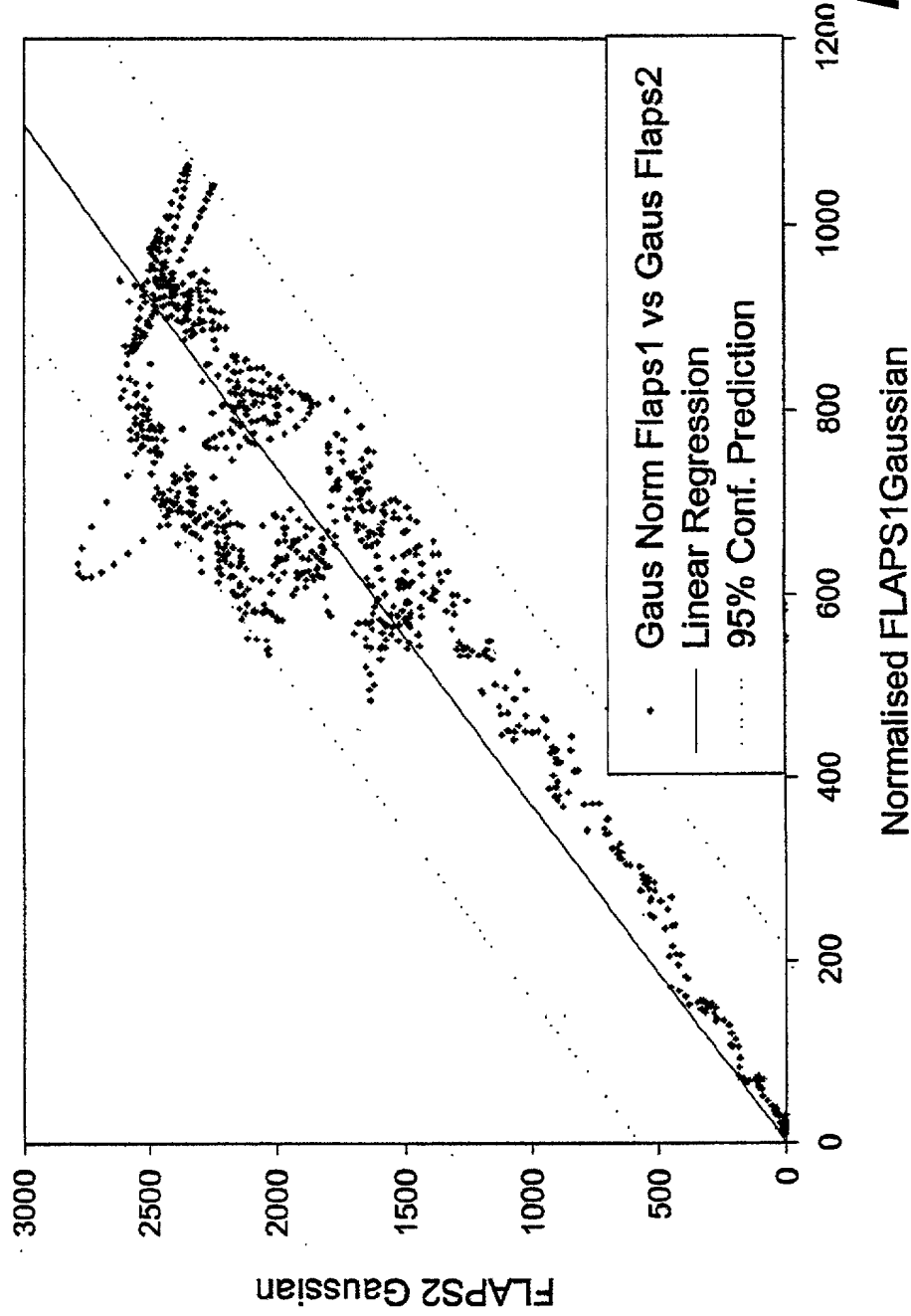


Fig. 7

FLAPS1 Detection of BG Aerosol Using Nichia Laser Diode Field Measurement at CWAL Day 152

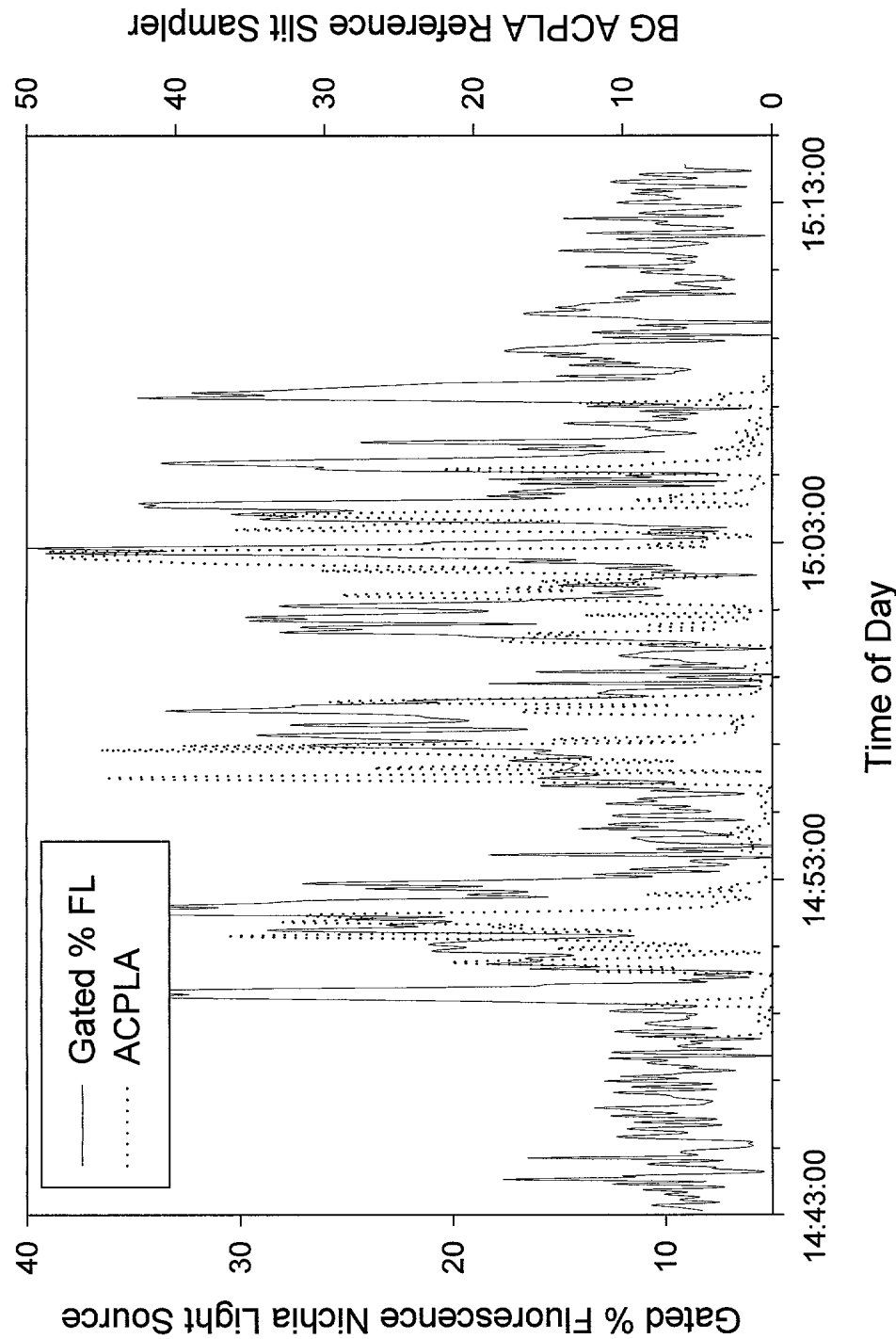


Fig. 8

FLAPS1 Detection of BG Aerosol Using Nichia Laser Diode Field Measurement at CWAL Day 153

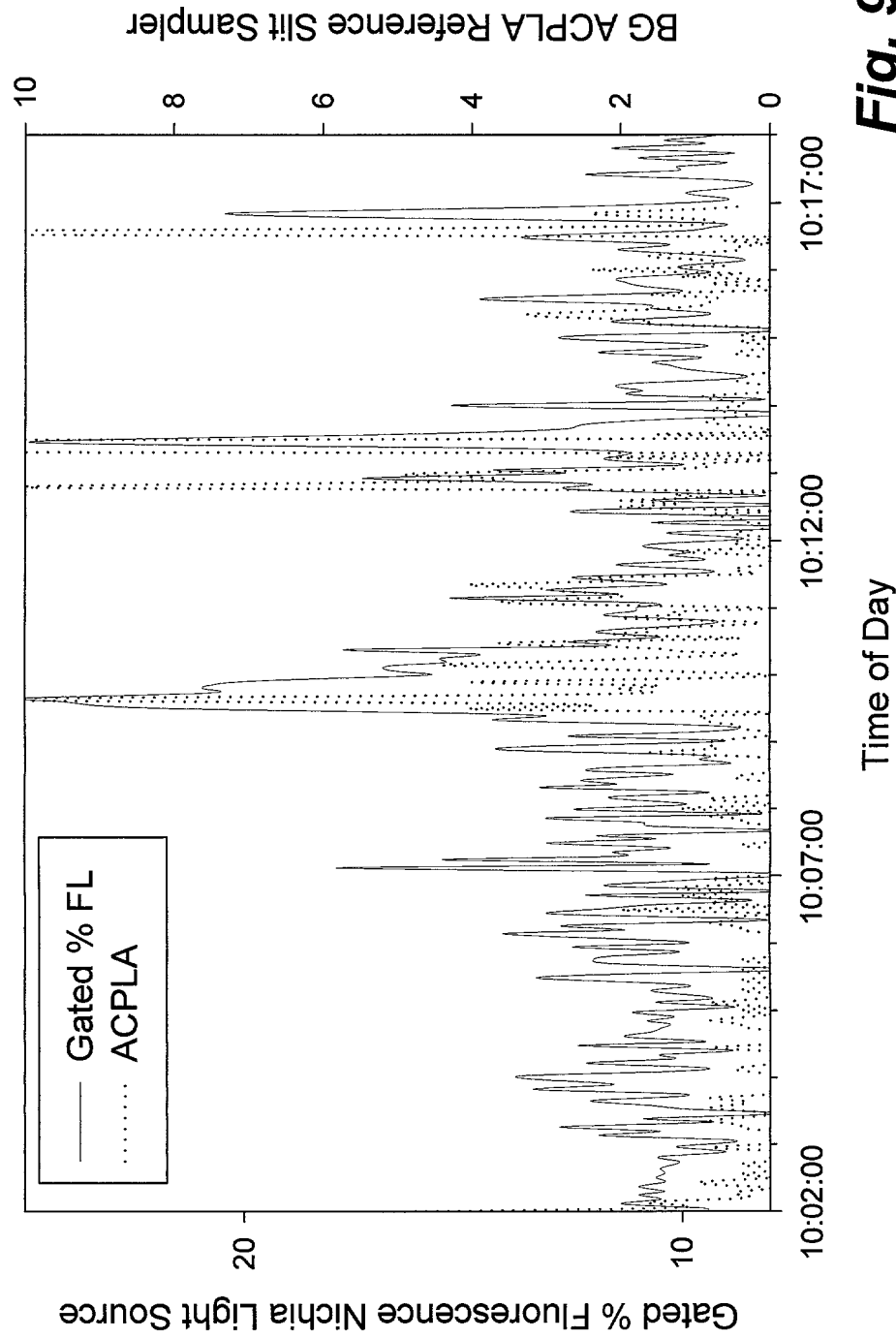


Fig. 9

FLAPS1 Detection of BG Aerosol Using HeCd Laser Diode Field Measurement at CWAL Day 153

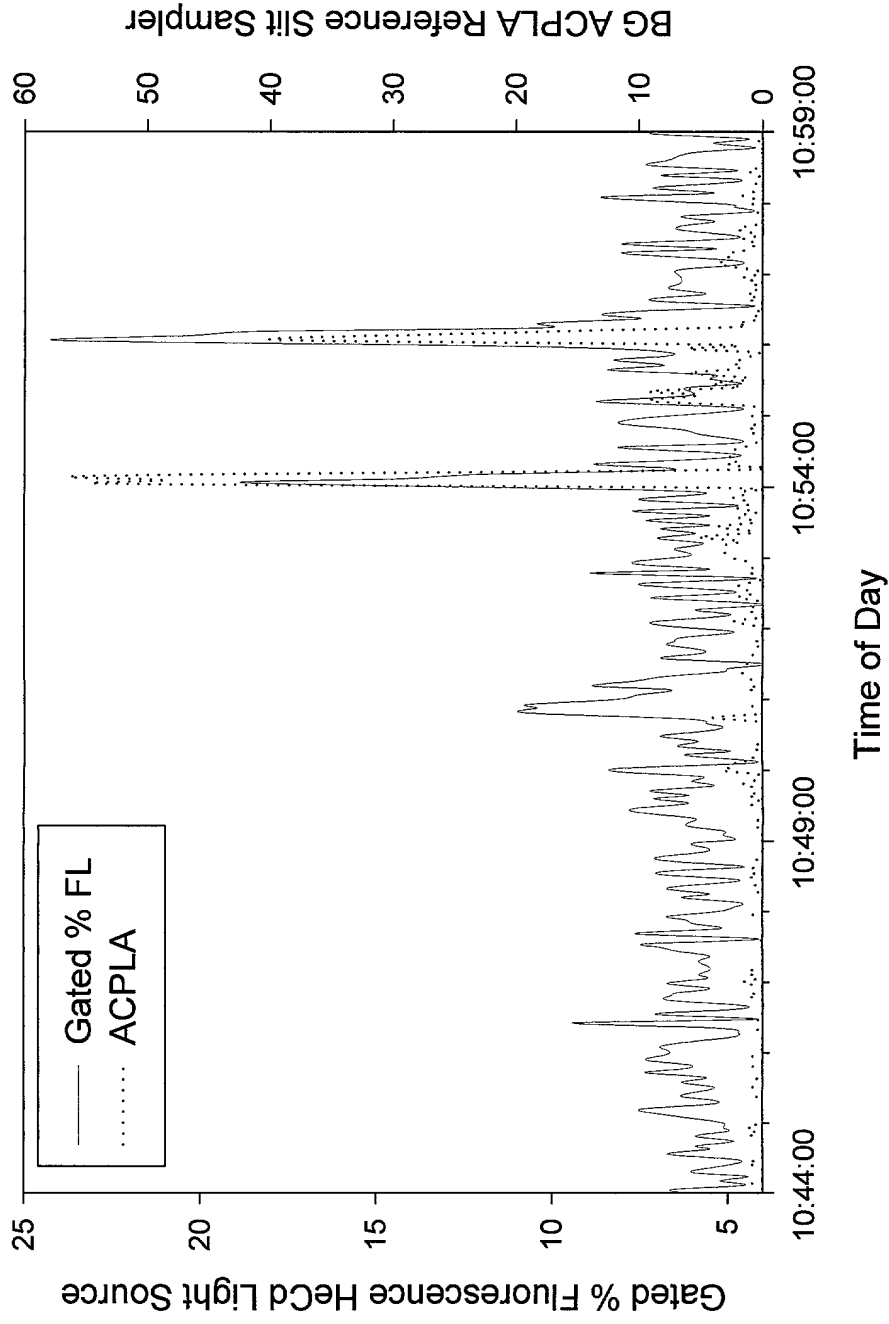


Fig. 10

Background Aerosol Measurement with FLAPS1 Comparison of Two Light Sources CWAL Site Day 139 2000

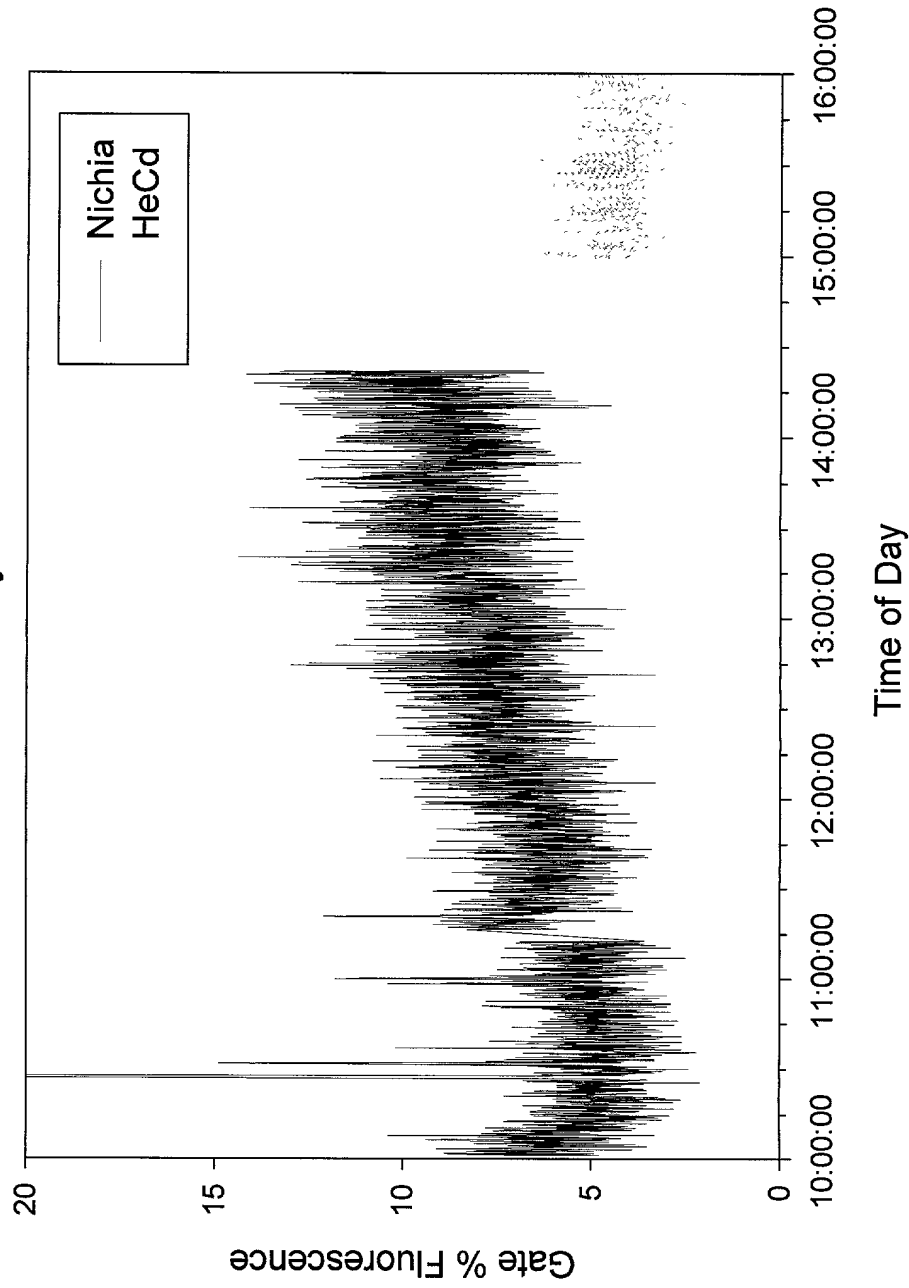


Fig. 11

FLAPS1 Nichia Light Source Detection
Sigma Grade Ovalbumin Aerosol from Nordson Powder Sprayer
CWAL Trial Site @200M Day 151 2000

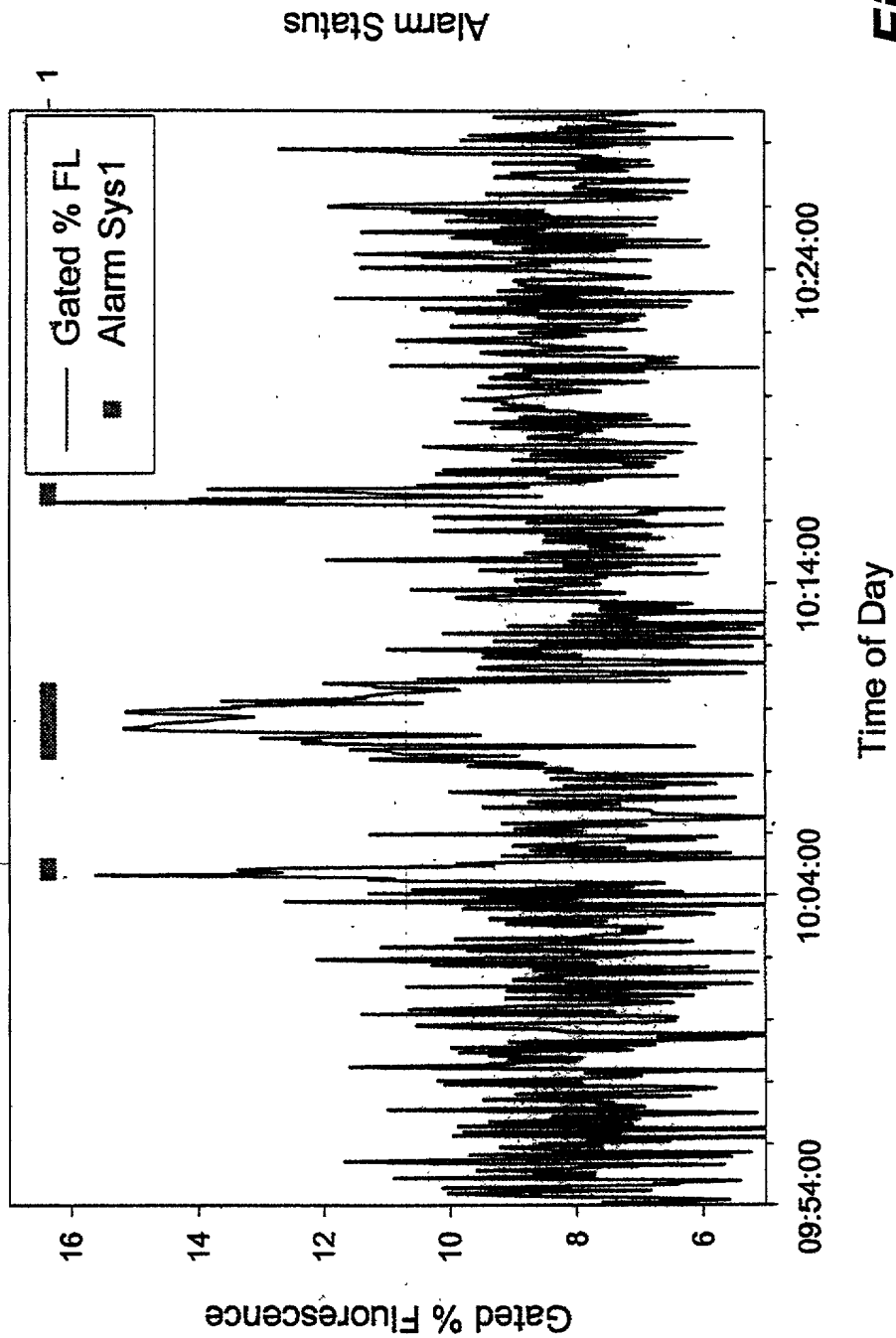


Fig. 12

FLAPS1 HeCd Light Source Detection
Sigma Grade Ovalbumin Aerosol from Nordson Powder Sprayer
CWAL Trial Site @100M Day 146 2000

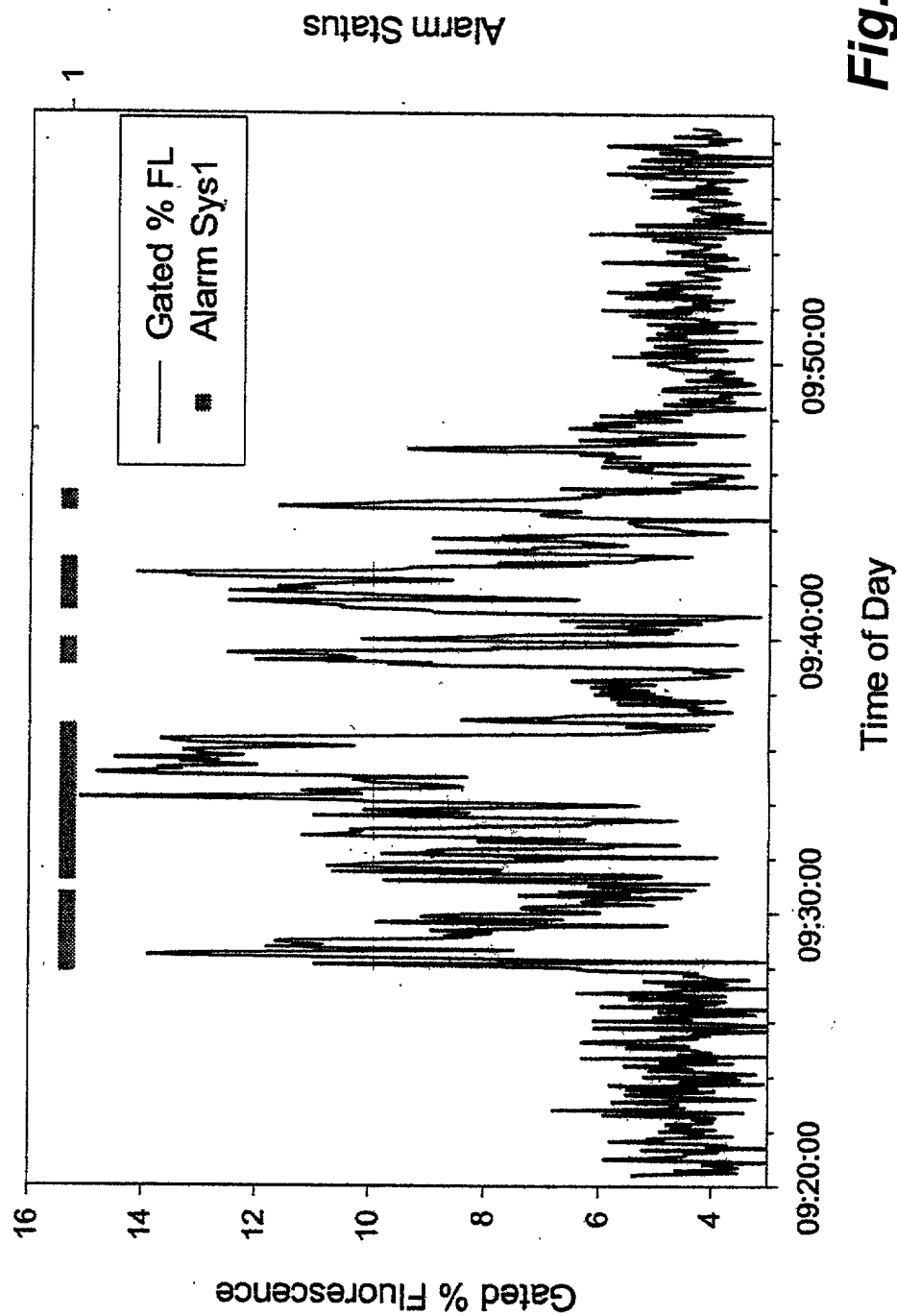
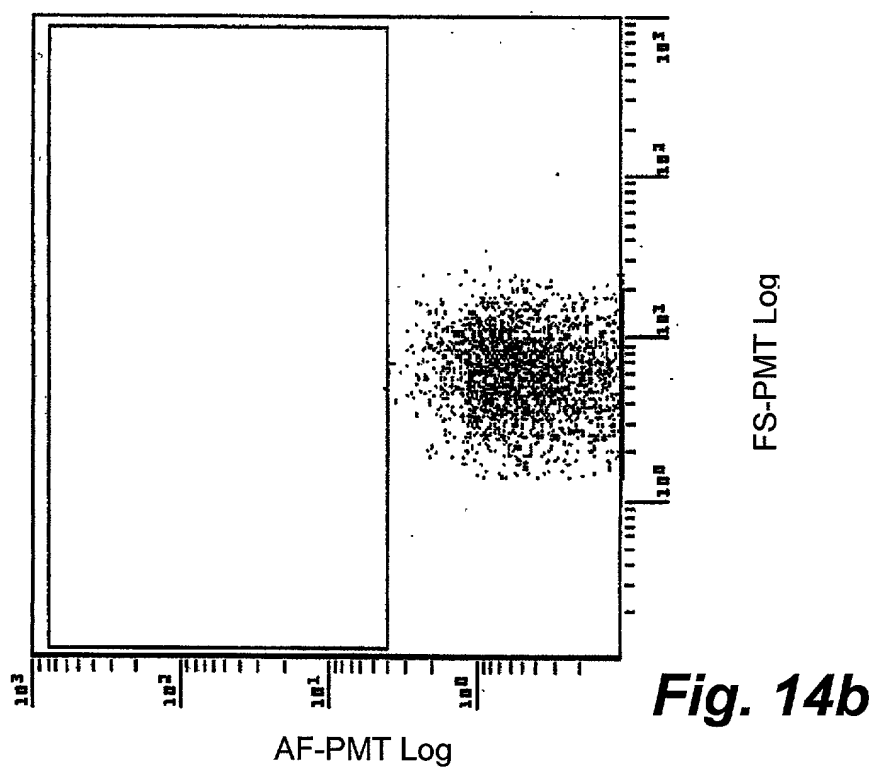
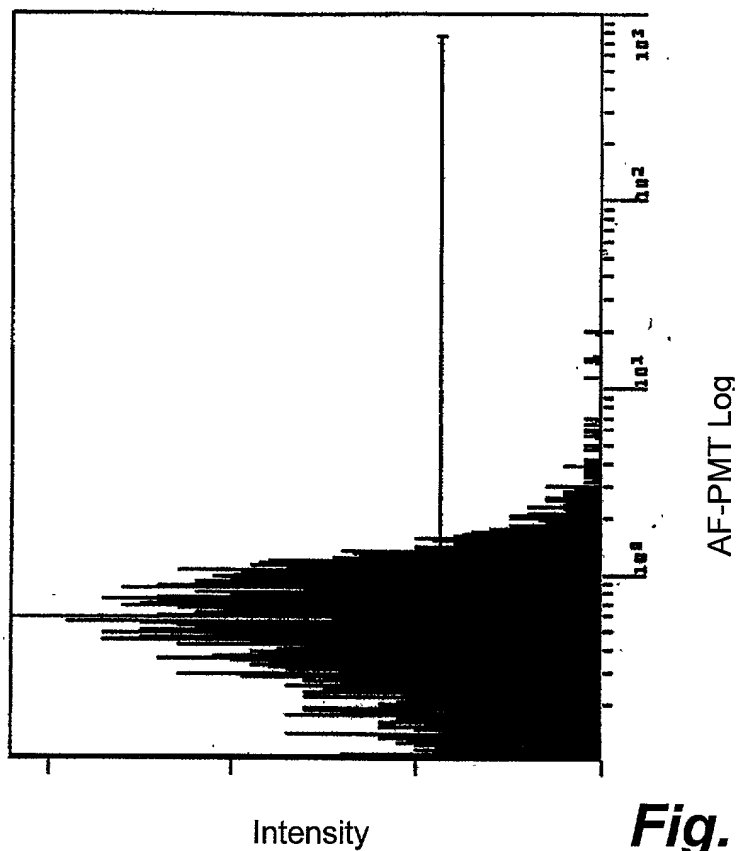


Fig. 13



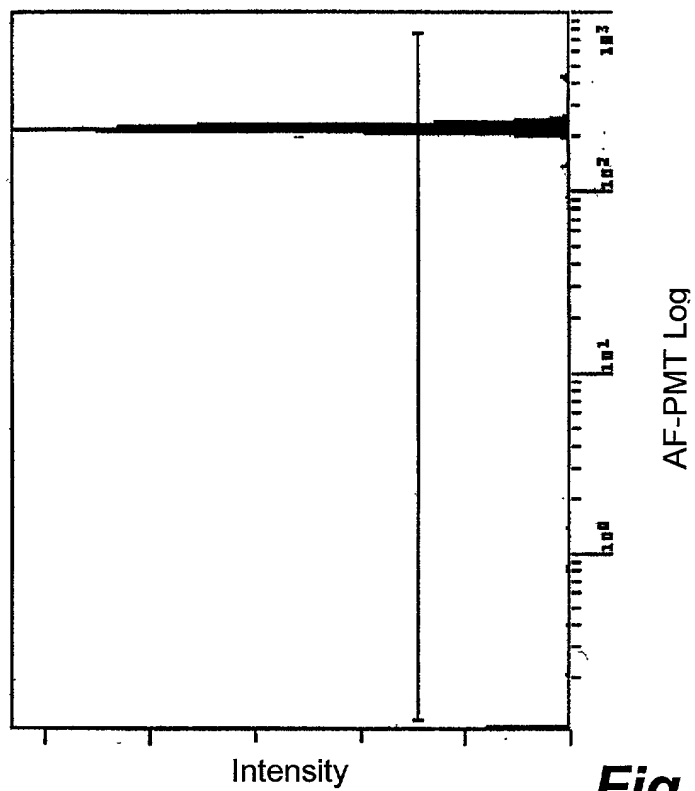


Fig. 15a

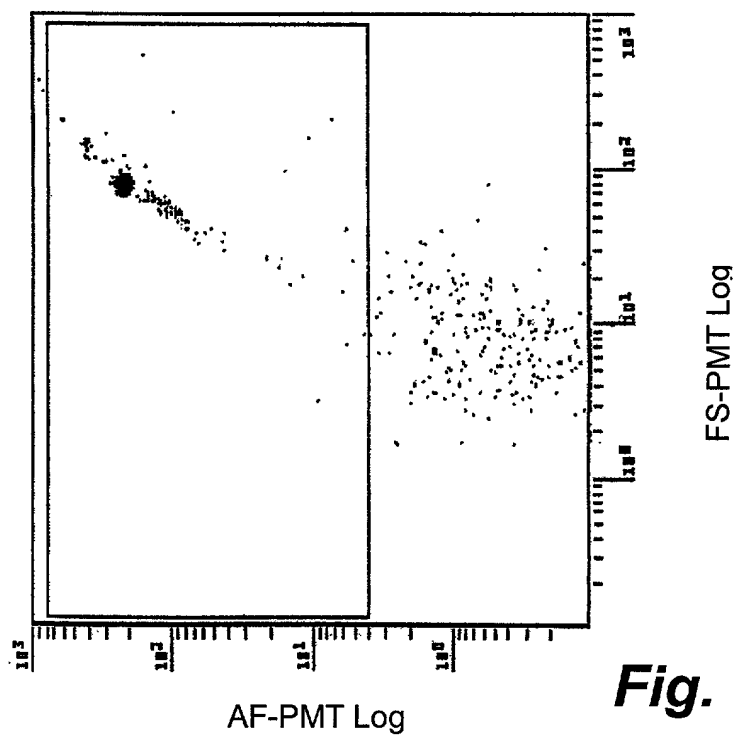


Fig. 15b

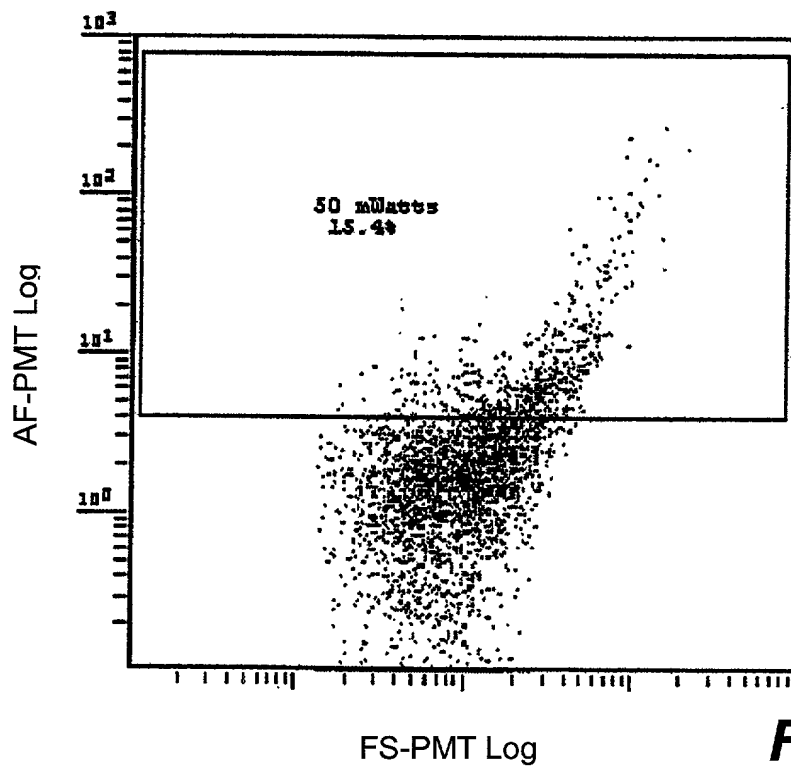


Fig. 16a

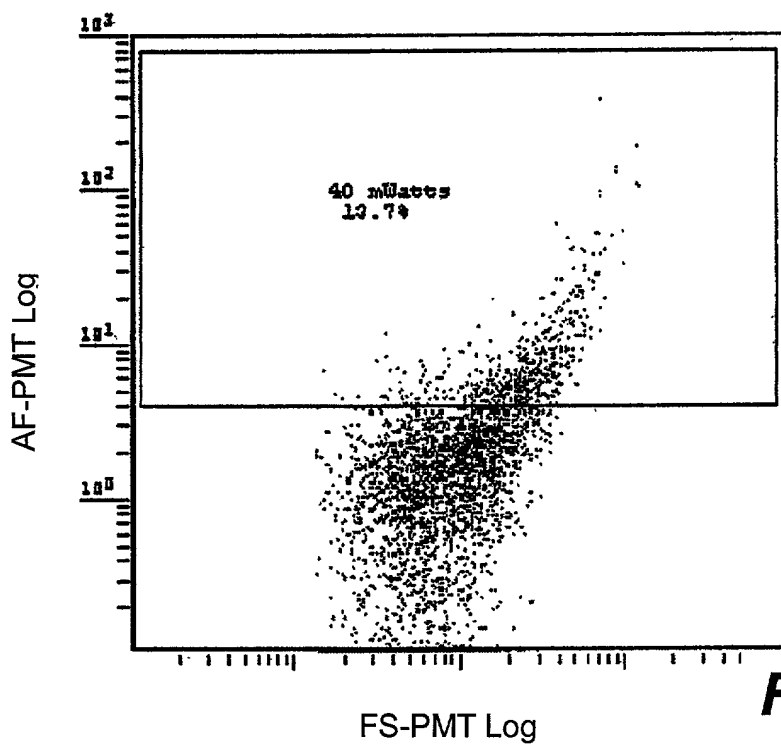


Fig. 16b

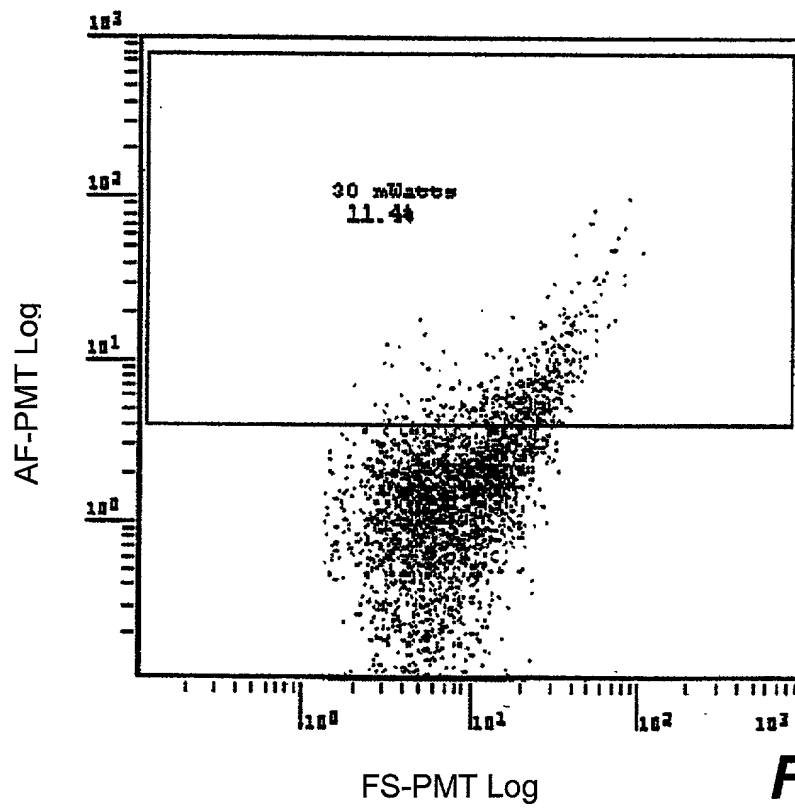


Fig. 16c

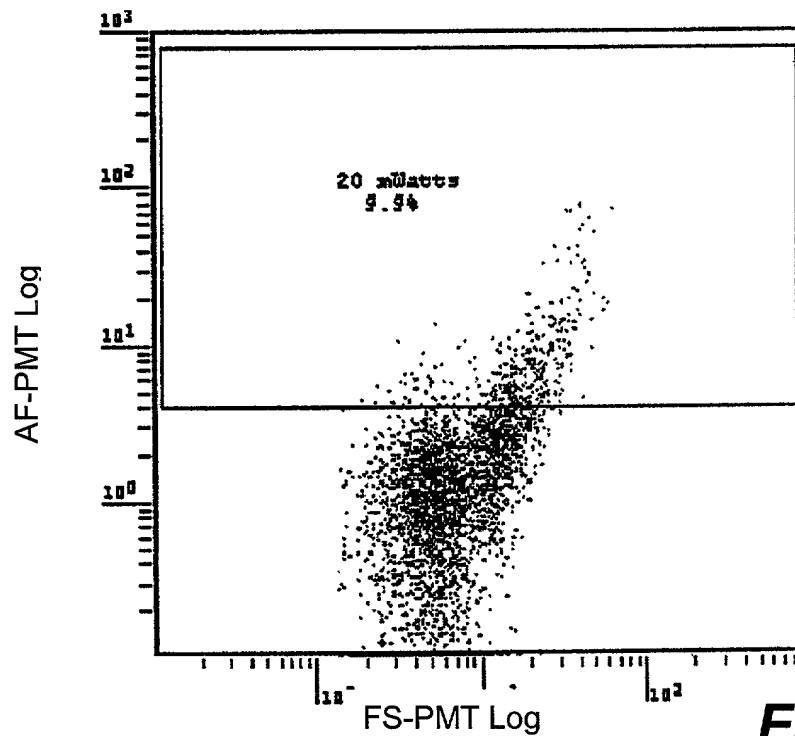


Fig. 16d

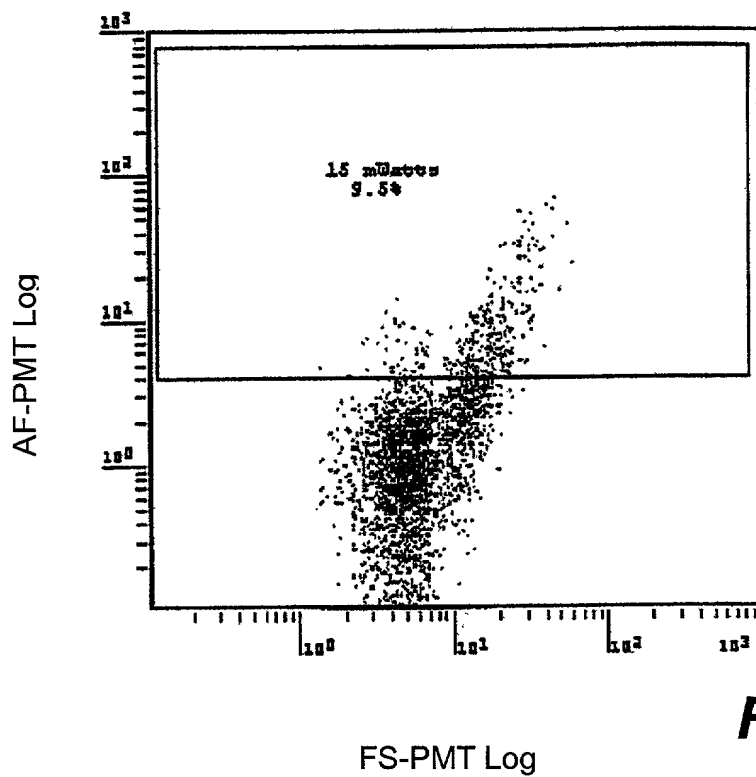


Fig. 16e

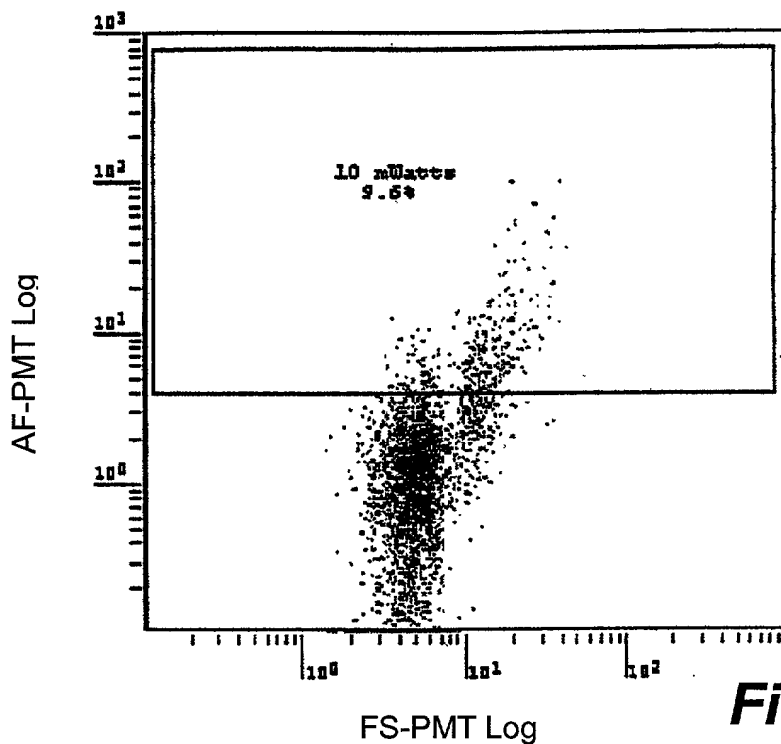


Fig. 16f

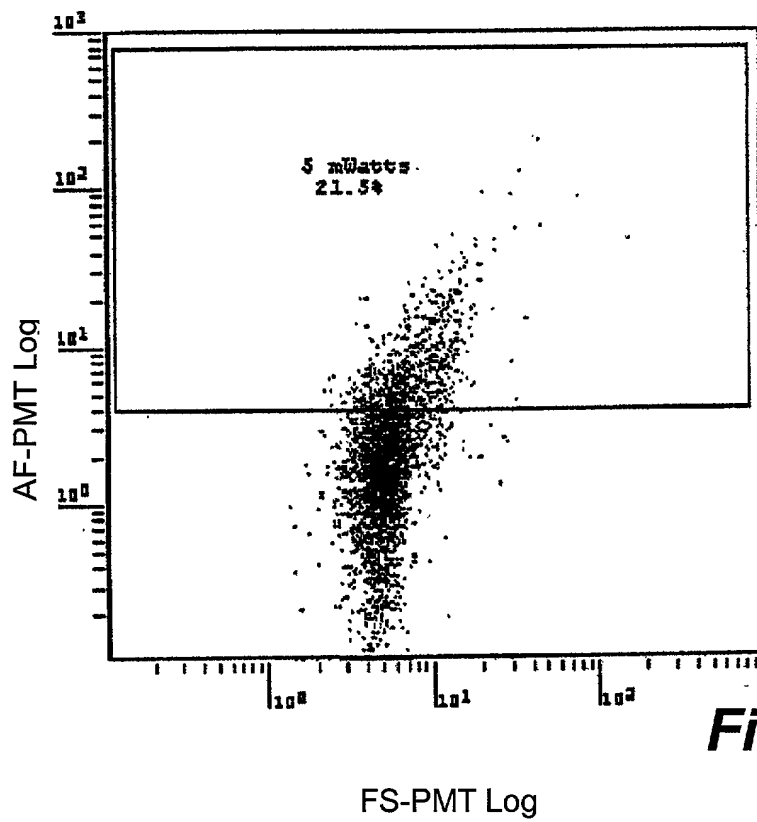


Fig. 16g

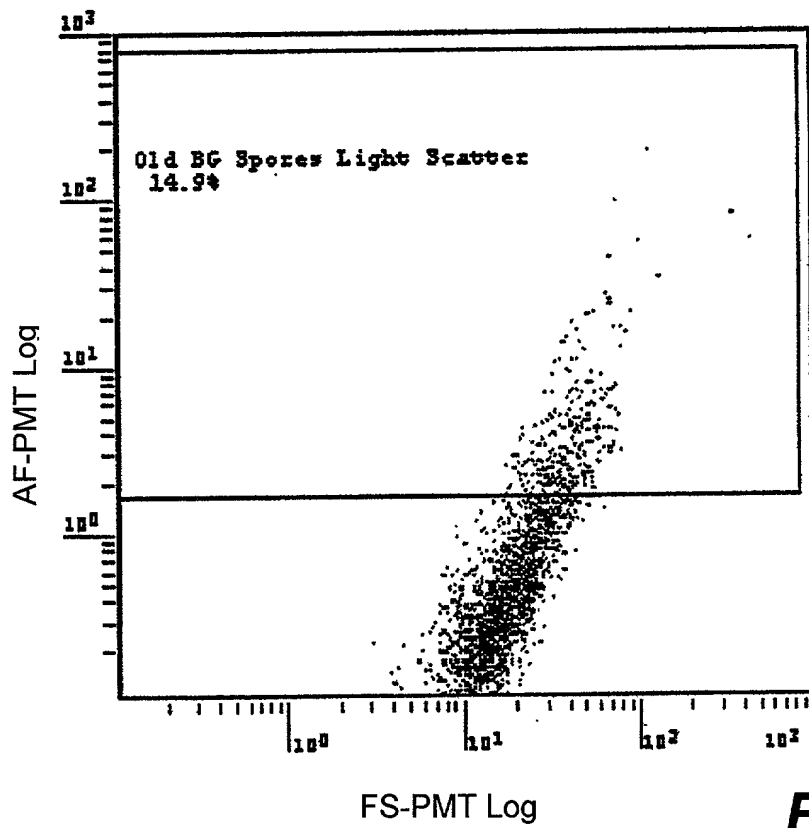


Fig. 17a

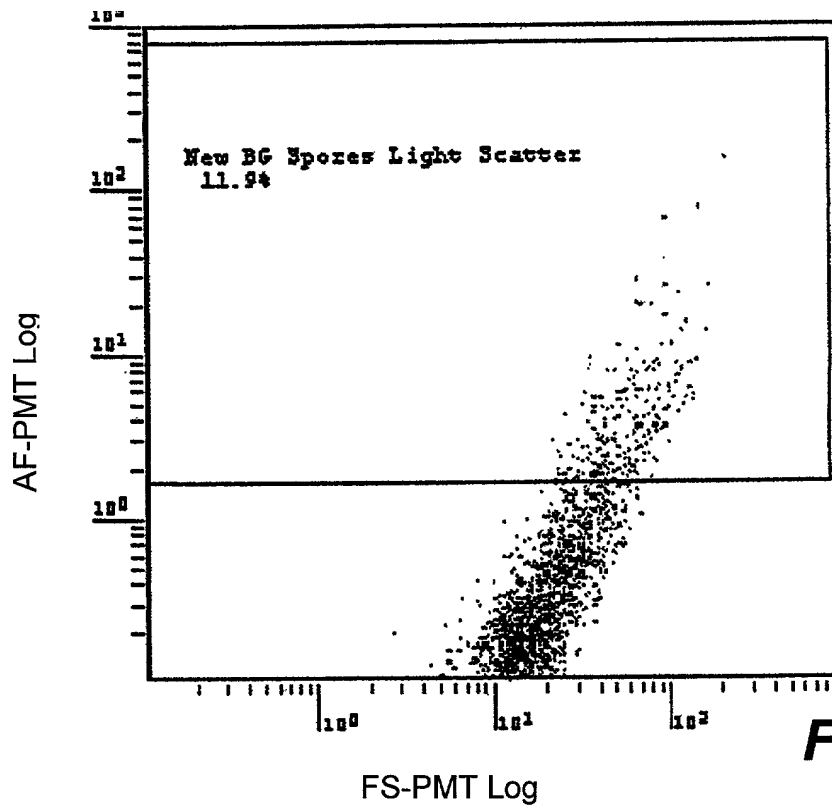


Fig. 17b